

(12) **UK Patent Application** (19) **GB** (11) **2 311 942** (13) **A**

(43) Date of A Publication 15.10.1997

(21) Application No 9607286.3

(22) Date of Filing 09.04.1996

(71) Applicant(s)

**Dennis James Hammond**  
**Woodhouse, Woodside Road, HOCKLEY, Essex,**  
**SS5 4RU, United Kingdom**

**Patricia Jean Hammond**  
**WOODHOUSE, Woodside Road, HOCKLEY, Essex,**  
**SS5 4RU, United Kingdom**

(72) Inventor(s)

**Dennis James Hammond**  
**Patricia Jean Hammond**

(74) Agent and/or Address for Service

**Dennis James Hammond**  
**Woodhouse, Woodside Road, HOCKLEY, Essex,**  
**SS5 4RU, United Kingdom**

(51) INT CL<sup>6</sup>

**A61F 5/28 5/445**

(52) UK CL (Edition O )

**A5R RBT RCED R319**

(56) Documents Cited

**GB 2094154 A GB 1099455 A GB 0866328 A**

**US 4723952 A US 4386931 A**

**WPI Abstract Acc. No. 89-200884/28 & FR 2623391 A**

(58) Field of Search

**UK CL (Edition O ) A5R R8Q RBT RCED REYA**

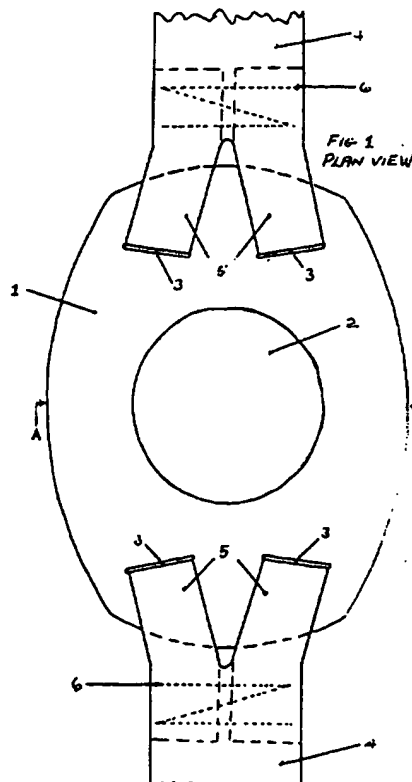
**INT CL<sup>6</sup> A61F 5/03 5/24 5/28 5/30 5/44 5/445 5/449**

**13/14**

**Online: WPI, CLAIMS**

(54) **Surgical appliance for stoma hernias**

(57) The appliance is comprised of a semi-rigid plastic flange 1 attached to an adjustable belt 4 that gives support to the muscles around a Colostomy, Urostomy or an Ileostomy stoma and will reduce the possibility of a rupture, or reduce the risk of expanding the size of an existing hernia.

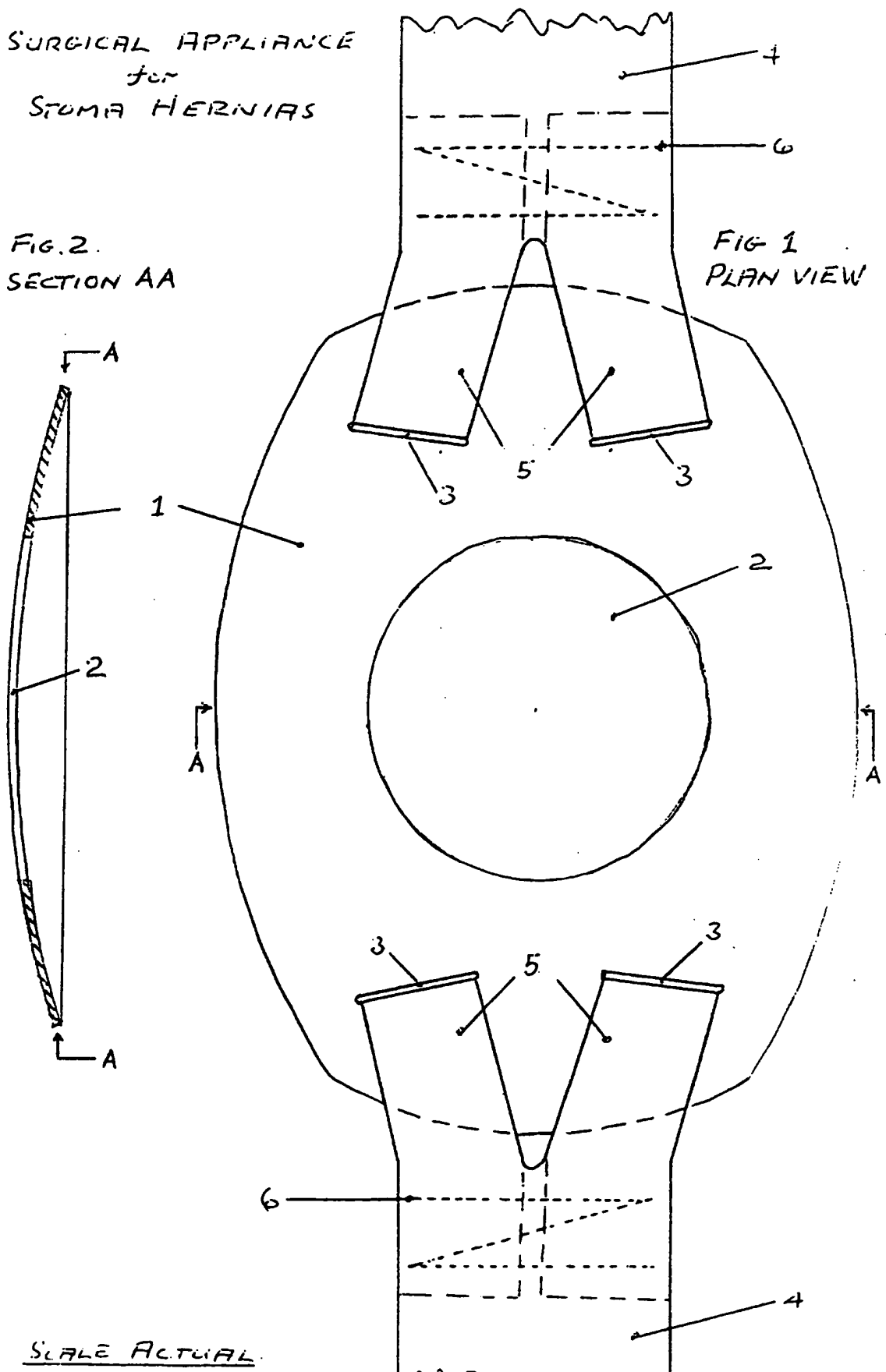


**GB 2 311 942 A**

SURGICAL APPLIANCE  
for  
STOMA HERNIAS

FIG. 2.  
SECTION AA

FIG 1  
PLAN VIEW



# SURGICAL APPLIANCE for STOMA HERNIAS.

This invention relates to a surgical appliance that applies pressure around a stoma and gives support to stomach muscles that have been ruptured.

The appliance is suitable for patients with a Colostomy, Urostomy or Ileostomy.

This invention comprises of a flange with belt attached that can be adjusted around the waist to give support to muscles surrounding a stoma.

The following details of the invention will be described with reference being made to the accompanying drawing in which:-

Fig.1 shows in plan view the flange with belt attached.

Fig.2 shows the flange in cross section.

The flange 1 is made of semi-rigid plastic, concaved and approx. 2mm in thickness.

The large centre hole 2 between 60/70mm in dia. varies in size to accommodate the adhesive disc of a stoma pouch, as produced by various manufacturers.

The four slots 3 are positioned to allow the split ends 5 of the body belt to pass through and secure flange 1 to body belt 4.

The body belt 4 is weaved from polyester fibre approx. 50mm in width. The belt is made adjustable in length and fastened with a clasp or Velcro.

Each free end of the body belt 4 is cut approx. 100mm along its length to form the split belt ends 5.

The four split belt ends 5 pass through the four slots 3 and fold back onto the full width of the body belt 4 and secured by machine stitching 6.

**CLAIMS.**

The Surgical Appliance for Stoma Hernias applies pressure direct to the hernia by way of the plastic flange and belt worn around the waist.

This surgical appliance also allows muscular pressure to be exerted onto the flange and will reduce the risk of further damage to the rupture.



Application No: GB 9607286.3  
Claims searched: -

Examiner: L. V. Thomas  
Date of search: 15 April 1997

**Patents Act 1977**  
**Search Report under Section 17**

**Databases searched:**

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.O): A5R (RBQ, RBT, RCED, REYA)

Int Cl (Ed.6): A61F 5/03, 5/24, 5/28, 5/30, 5/44, 5/445, 5/449, 13/14

Other: Online: WPI, CLAIMS

**Documents considered to be relevant:**

Category	Identity of document and relevant passage	Relevant to claims
X	GB 2094154 A (Eakin) see p.1 ll.5-28 and 72-81 and p.2 ll.1-8 and 41-50	-
X	GB 1099455 (Leigh) see p.1 ll.9-12 and 52-75 and p.2 ll.1-12	-
X	GB 866328 (Shaw) see p.1 ll.9-34 and 61-67 and p.2 ll.19-32	-
X	US 4723952 (Esposito) see col.2 ll.63-68, col.3 ll.35-45 and col.5 l.46 - col.6 l.38	-
X	US 4386931 (Nelson) see col.2 l.51 - col.3 l.31 and col.3 ll.54-58	-
X	WPI Abstract Acc. No. 89-200884/28 & FR 2623391 A (Eyssartier)	-

X Document indicating lack of novelty or inventive step  
Y Document indicating lack of inventive step if combined with one or more other documents of same category.  
& Member of the same patent family

A Document indicating technological background and/or state of the art.  
P Document published on or after the declared priority date but before the filing date of this invention.  
E Patent document published on or after, but with priority date earlier than, the filing date of this application.